



Director: Debra K. Kenerson
P.O. Box 41505
Nashville, TN 37204-1505
1-800-626-0987

<http://www.nass.usda.gov/tn>

TENNESSEE WEEKLY
WEATHER AND CROP BULLETIN



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2004 Weather Crop 16

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Week Ending July 18, 2004

SCATTERED SHOWERS KEEP ROW CROPS IN GOOD CONDITION

A cold front moved through the State last week bringing showers and thunderstorms to most locations. Crops and pastures across the State remained in mostly good condition and crop development was on or ahead of schedule. The major field activity for the State’s tobacco growers last week was topping. Nearly one-fourth of the crop has been topped and was rated in mostly good-to-fair condition. Corn continued its rapid development, as half of the crop has entered the dough stage. Soybeans were blooming and setting pods at a normal pace and were rated in mostly good-to-excellent condition. Virtually all of the State’s cotton had reached the squaring stage by week’s end and was setting bolls at a normal pace. With five days suitable for fieldwork last week, farmers were able to make good progress with clipping pastures, harvesting hay, and applying herbicides and fungicides. Temperatures last week averaged near normal over West Tennessee and slightly below normal elsewhere. Rainfall averaged below normal for the week across Tennessee. As of Friday, topsoil moisture levels were rated 7 percent short, 79 percent adequate, and 14 percent surplus. Subsoil moisture levels were rated 5 percent short, 83 percent adequate, and 12 percent surplus.

CROP PROGRESS: Through July 18, 2004					CONDITION: On July 16, 2004					
Crop	This Week	Last Week	2003	Five Year Avg.	Item	Very Poor	Poor	Fair	Good	Exc
Percent					Percent					
Corn Silking or Beyond	95	91	91	92	Corn	1	4	13	47	35
Corn Dough	50	22	41	36	Cotton	0	1	15	62	22
Corn Dent	8	N/A	12	4	Soybeans	1	3	17	56	23
Cotton - Squaring	99	98	89	97	Tobacco	4	5	25	52	14
Cotton - Setting Bolls	48	28	26	49	Pastures	0	2	12	64	22
Soybeans - Blooming	35	22	22	34						
Soybeans - Setting Pods	13	1	8	14						
Alfalfa Hay - Second Cutting	78	54	84	84						
Tobacco Topped	24	N/A	17	19						

CORN: As of Sunday, virtually all of the State’s acreage had reached the silking stage with 82 percent in good-to-excellent condition. Adequate rain during this critical stage of development should be especially beneficial.

COTTON: An additional 20 percent of the cotton acreage began to set bolls last week with no major problems reported. Some farmers were applying growth regulators. The majority of the crop was rated in good-to-excellent condition.

SOYBEANS: Farmers finished late plantings last week. Thirty-five percent of the crop had entered the blooming stage with 13 percent setting pods. Frogeye leaf spot has begun to show up in some fields and producers are applying fungicides as needed. The majority of the crop was rated in good-to-excellent condition.

TOBACCO: The crop was rated in good-to-fair condition with a few isolated reports of wind damage. Topping was the main activity last week with nearly a quarter of the acreage already topped. A few early fields are being harvested.

PASTURES & HAY: Range and pasture conditions remained basically unchanged from the previous week. Farmers took advantage of the favorable weather to catch up on their second cutting of hay.

TEMPERATURES AND PRECIPITATION For week ending: 07/18/04(with comparisons)										
LOCATION	TEMPERATURE				PRECIPITATION				GDD BASE 60F	
	Week Ending 07/18/04				Current Week	Rain	Current Since	Departure From	Since April 1	
	HI	LO	AVG	DFN	07/18/04	Days	January 1	Normal	Total	DFN
Ames_Plantation	96	68	80	+2	1.34	4	36.55	+5.86	1321	+98
Tri-City_RGNL_A	89	54	74	-1	0.27	4	24.88	+1.12	970	+199
Brownsville_TN	97	70	82	+2	1.51	2	31.72	+1.03	1416	+379
Chattanooga/Lov	93	63	78	+0	1.53	3	26.35	-4.60	1341	+238
Clarksville_Sew	94	66	77	-2	2.36	3	26.88	-2.01	1287	+235
Cookeville	90	60	75	-2	0.40	3	36.94	+4.39	1057	+441
Covington	96	67	81	+2	0.75	1	29.19	-1.21	1281	+42
Crossville_AP	86	59	74	+0	0.63	4	33.26	+1.05	948	+233
Dickson_AG	91	61	75	-3	0.53	3	35.74	+4.56	1061	-45
Dover_1W	94	65	78	+1	0.36	2	26.85	-3.25	1203	+279
Dyersburg	95	68	81	+0	0.76	1	23.76	-5.23	1383	+55
Erwin_1W	88	54	73	+1	1.59	4	27.00	-1.36	918	-22
Huntingdon_Wate	94	66	79	+1	0.10	2	32.76	+2.36	1286	+301
Jackson_Exp_Stn	95	68	80	+2	0.44	1	29.45	-1.19	1353	+187
Kingston_AG	91	62	76	+2	0.47	4	32.68	-0.97	1114	+279
Knoxville_AP	89	62	77	+0	0.77	5	29.25	+1.14	1239	+297
Lewisburg	93	62	77	+1	1.64	3	37.69	+5.68	1223	+266
Lexington_TN	94	66	79	-1	0.43	4	33.56	+4.00	1251	+590
Linden	95	63	78	+1	0.63	3	31.85	-0.53	1179	+207
Martin	96	66	80	+2	0.32	1	26.81	-3.70	1314	+200
Mc_Minnville_Tn	92	61	76	-2	1.25	3	35.16	+4.00	1213	-38
Memphis_AG	98	69	82	-2	1.46	3	31.53	+1.68	1399	-84
Milan	95	65	79	+2	0.63	3	28.29	-3.04	1289	+201
Murfreesboro_5N	93	63	77	-1	0.82	4	29.84	-0.62	1219	-23
Nashville_Metro	94	66	79	-1	0.78	2	33.47	+5.97	1313	+158
Newcomb	89	59	74	+2	1.25	4	29.18	-2.25	947	+291
Oneida	89	59	74	+2	0.75	4	29.62	-1.81	989	-42
Pikeville	92	60	76	-2	0.17	2	27.10	-3.96	1154	+221
Portland_TN	93	64	77	-1	0.58	4	36.38	+6.37	1175	+245
Pulaski_Water_P	95	64	78	-2	1.18	2	37.21	+5.27	1186	+13
Savannah_6SW	96	62	77	-4	1.26	4	36.76	+3.31	1314	+303
Sparta_TN	92	59	76	-1	0.30	2	37.40	+5.71	1271	+467
Springfield	92	61	76	-2	1.36	4	33.16	+4.30	1192	+245
Springhill	95	64	78	+1	1.23	5	37.06	+5.00	1270	+332
Union_City	94	64	79	+0	0.46	1	26.91	-3.02	1203	+110
Waynesboro_TN	92	62	78	+2	0.87	4	38.68	+1.99	1163	+35

DFN = Departure From Normal (Using 1961-90 Normals Period). GDD = Growing Degree Days.
 Precipitation Days = Days with precip of 0.01 inch or more. Precipitation (rain or melted snow/ice) in inches.
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